**To:** Seter, David[Seter.David@epa.gov]; Levine, Herb[Levine.Herb@epa.gov]
**Cc:** Sarah Peters[speters@mcginnisandassociates.com]; Dietrick McGinnis[dmcginnis@mcginnisandassociates.com]; ghatch.ypt-nsn.gov[ghatch@ypt-nsn.gov]
**From:** Earle Dixon
**Sent:** Wed 9/6/2017 5:34:35 PM
**Subject:** RE: Well locations Anaconda Yerington

Dear All,

Some of these early wells may prove useful later if we need to reconstruct the history of the plume center of mass in the shallow zone beginning around 1979 when the USGS first chased the plume at the north end of the mine property.

Otherwise, yes, many of these retired, inactive, or questionable-construction wells do not lend certainty to the interpretation of the plume in 2015.

I think we will have a good rendering of the plume mass initially with all the 300+ wells constructed since 2009. Some questions may arise when the plume center of mass estimate is compared to some of the ground water flow modeling which used private and monitoring wells for data?

Let me know if I can help provide any missing well coordinates. I can always eyeball maps with Google Earth & get coordinates by hand with the program.

Earle

**From:** Seter, David [mailto:Seter.David@epa.gov]
**Sent:** Tuesday, September 05, 2017 7:55 PM
**To:** Earle Dixon <edixon@mcginnisandassociates.com>; Levine, Herb <Levine.Herb@epa.gov>
**Cc:** Sarah Peters <speters@mcginnisandassociates.com>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>; Ginny Marie <ghatch@ypt-nsn.gov>
**Subject:** RE: Well locations Anaconda Yerington

These appears to be the wells without coordinates:

D8AB-1 and D8AB-2 the nomenclature of these wells does not match the nomenclature for wells installed as part of the Superfund investigation, and these wells are not part of the active monitoring network

MW6, 7,D, 8, 9, 10, 11, 12 to my knowledge are older wells that were not installed as part of the Superfund investigation … they are not part of the active monitoring well network … and they were probably dropped because of uncertain well construction or too large a monitoring interval (note that MW4 and 5 are part of the network so they must have some specific added value reason they have been kept)

USGS 1A, 2A, 4B, 5B, 8 obviously these are wells installed by USGS … these ones are not part of the active monitoring network, although I notice that two other USGS wells are part of the network (13S and 2BS)

DSAD-1 … I don't recognize the nomenclature

PWELL 4 … pumpback well 4? If so would have been a shallow extraction well … system since decommissioned

MW5 Pit … I don't know how or if this differs from MW5 which is part of the active monitoring network

I would hazard given there are 300+ wells in the active network the data from the above wells would not be missed at least not as part of an initial test drive of the software based method.

The task then would be to strip the XLS of the non-active wells and their data, and only use the active wells and their locations in the exercise.

David A. Seter, P.E.

Remedial Project Manager

USEPA Region 9

Superfund Division (SFD-8-2)

75 Hawthorne Street

San Francisco, CA 94105

415-972-3250

**From:** Earle Dixon [mailto:edixon@mcginnisandassociates.com]
**Sent:** Thursday, August 31, 2017 7:09 PM
**To:** Levine, Herb <Levine.Herb@epa.gov>; Seter, David <Seter.David@epa.gov>
**Cc:** Sarah Peters <speters@mcginnisandassociates.com>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>
**Subject:** RE: Well locations Anaconda Yerington

Herb and David,

Looks like I may have dropped the communication ball on this one so we will be working Friday to get the files to you ASAP.

Can you give us a list of the wells that are not on the worksheet, and we'll try and find some coordinates for those.

Thanks for your patience,

Earle

**From:** Levine, Herb [mailto:Levine.Herb@epa.gov]
**Sent:** Thursday, August 31, 2017 4:31 PM
**To:** Earle Dixon <edixon@mcginnisandassociates.com>; Seter, David <Seter.David@epa.gov>
**Cc:** Sarah Peters <speters@mcginnisandassociates.com>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>
**Subject:** RE: Well locations Anaconda Yerington

These well IDs and coordinates are OK, though it appears for a few wells the coordinates are not in the worksheet.

I don't' think that I've received the chemistry and water level data. Zipped files are OK.

**From:** Earle Dixon [mailto:edixon@mcginnisandassociates.com]
**Sent:** Monday, August 14, 2017 2:24 PM
**To:** Levine, Herb <Levine.Herb@epa.gov>; Seter, David <Seter.David@epa.gov>
**Cc:** Sarah Peters <speters@mcginnisandassociates.com>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>
**Subject:** FW: Well locations Anaconda Yerington

Herb and Sarah,

To be clear and consistent about the data we discussed by phone today, I am enclosing a Snippet of the data/file sizes that I have that I received through the McGinnis internet file transfer system-Dropbox I think? Sarah, can you use the McGinnis FTS account & send the zipped file to Herb? Or I can set up a free account and send him the zipped file-link via email? Herb, notice that the data set is not inclusive up through 2017 (date of file is Sept 2016).

We asked ARCO for well location information in Lat/Long but all they had was easting and northing. So I used CORPSCON program to convert the state plane coordinates to Lat/Long (insert decimal?). See attached files & below of this email for more explanation. I may not have captured all the well locations. PLEASE NOTE THAT THE ACCESS DATABASE MAY HAVE INCONSISTENCIES, ERRORS, MISPLACED DATA, DUPLICATES, et cetera.

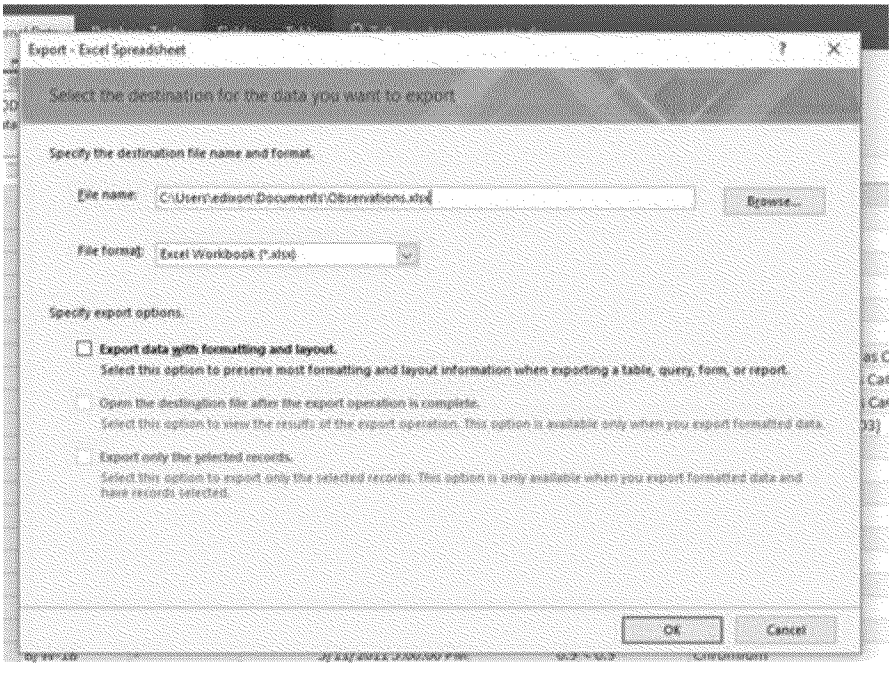
ew

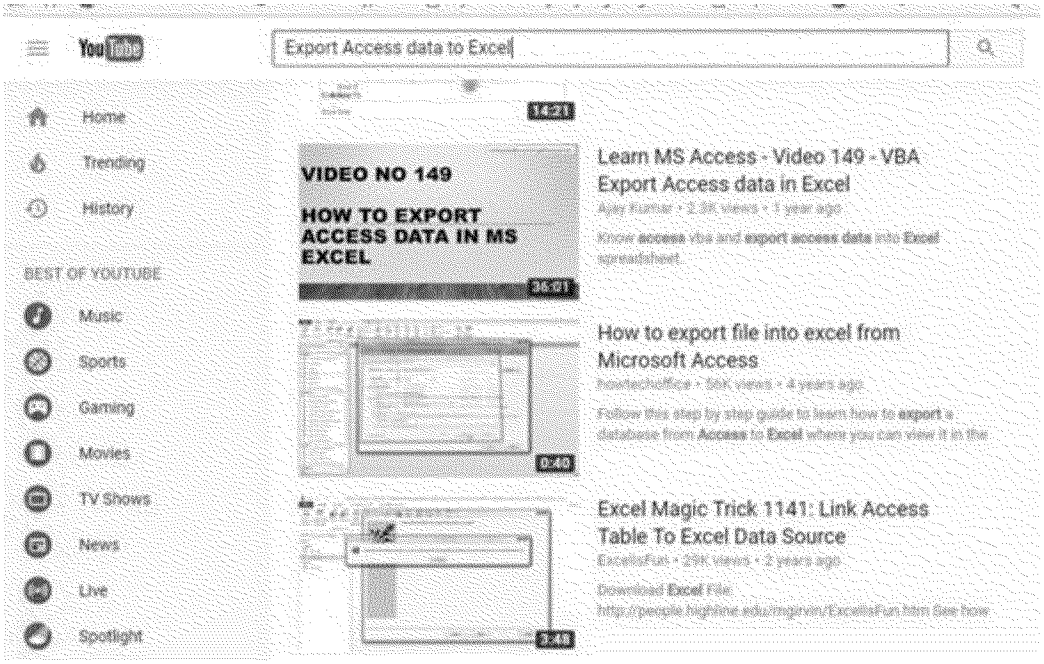
Desktop › TSALI ASSOC › MCGGINNIS › NEW YAM SITE › EI Data

| Name | Date modified | Type | Size |
|---|---|---|---|
| Well Location | 4/3/2017 6:22 PM | Text Document | 17 KB |
| Yerington_MW_All_20160331 (3) | 9/8/2016 11:47 AM | Microsoft Access Record-Locking Information | 1 KB |
| Yerington_MW_All_20160331 (3) | 9/8/2016 11:44 AM | Microsoft Access Database | 1,222,416 KB |
| Yerington_MW_All_20160331 (3) | 9/8/2016 11:49 AM | Compressed (zipped) Folder | 135,864 KB |
| Yerrington-EI-data | 9/8/2016 11:41 AM | Microsoft Access Database | 0 KB |

Herb:

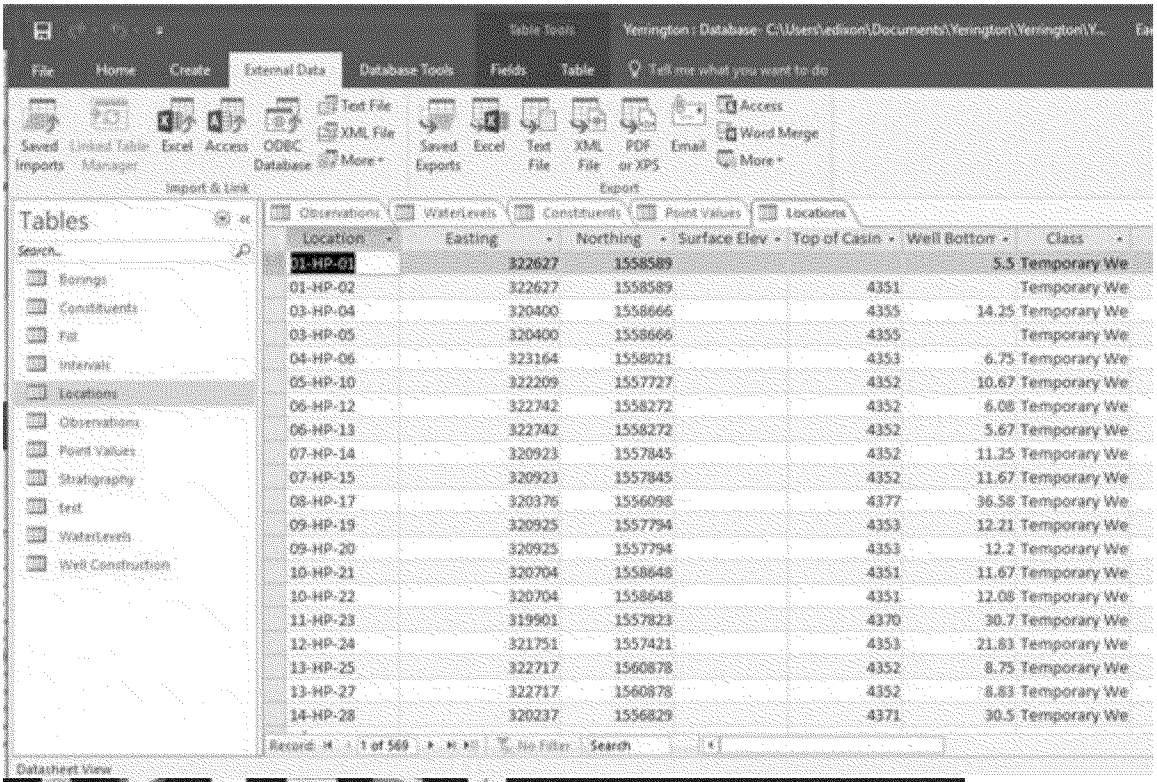
I am forwarding you some of the information you will need to generate the Excel input files for GWSDAT to analyze plumes at the Anaconda Mine Site-Yerington, NV. Once you receive a copy of the Access DB file & unzip it, start the program, select the Table & values to extract, and export them to an Excel worksheet. One can play around with the Access features & it is very user friendly to Excel users.

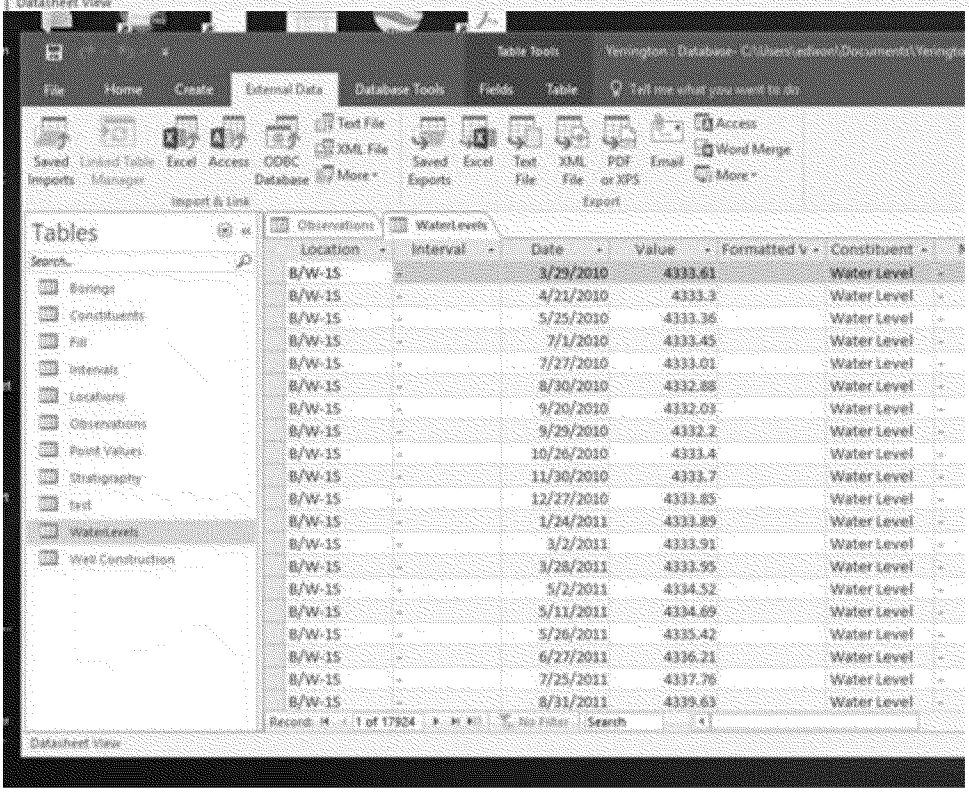




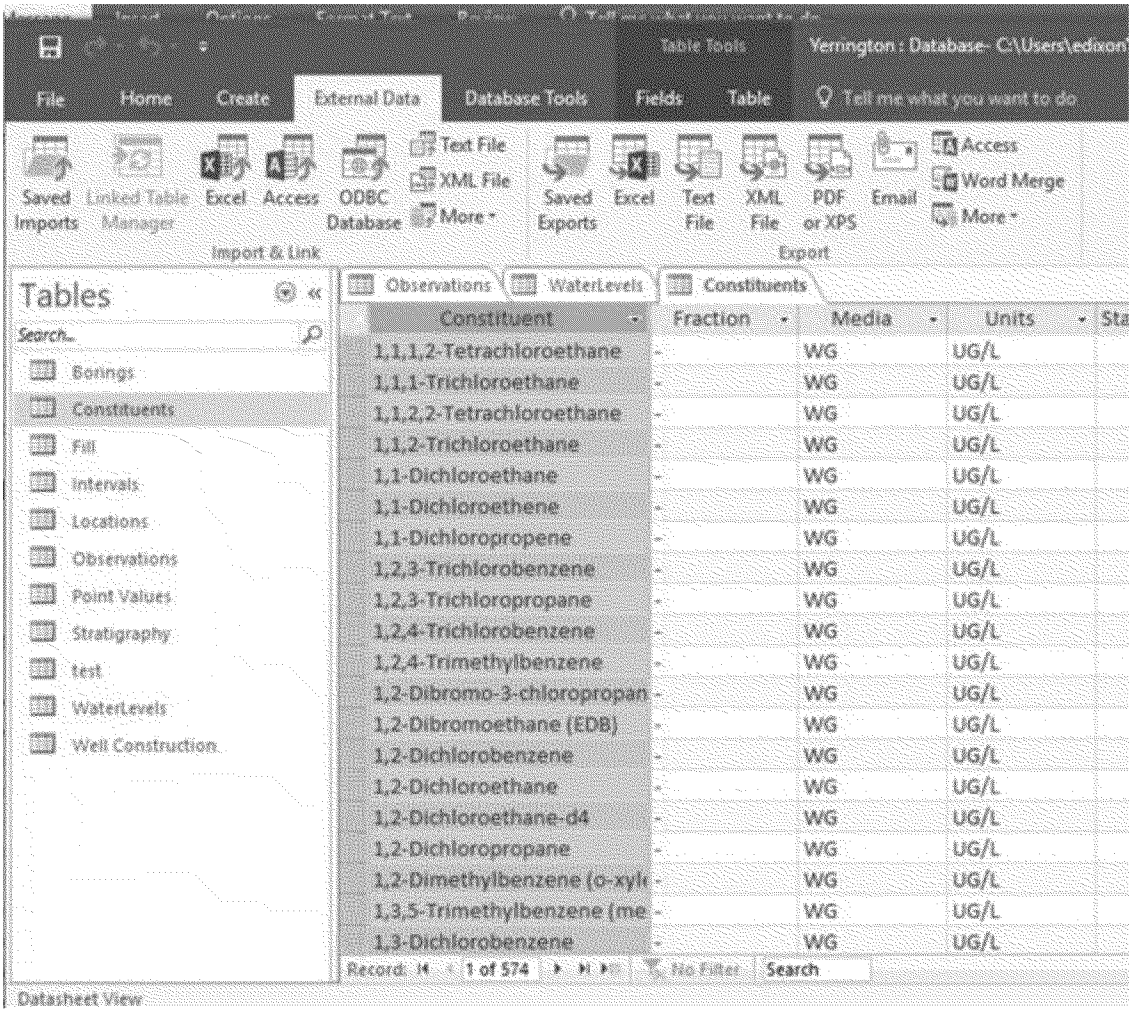

Below is a snippet of the Access Database open program with the various types of data Tables in the single master file. As you can see it is similar to Excel & has the same features-functions. I've included some Snip views of the open file to show how the various Tables look.

LOCATIONS TABLE and WATER LEVELS TABLE open views

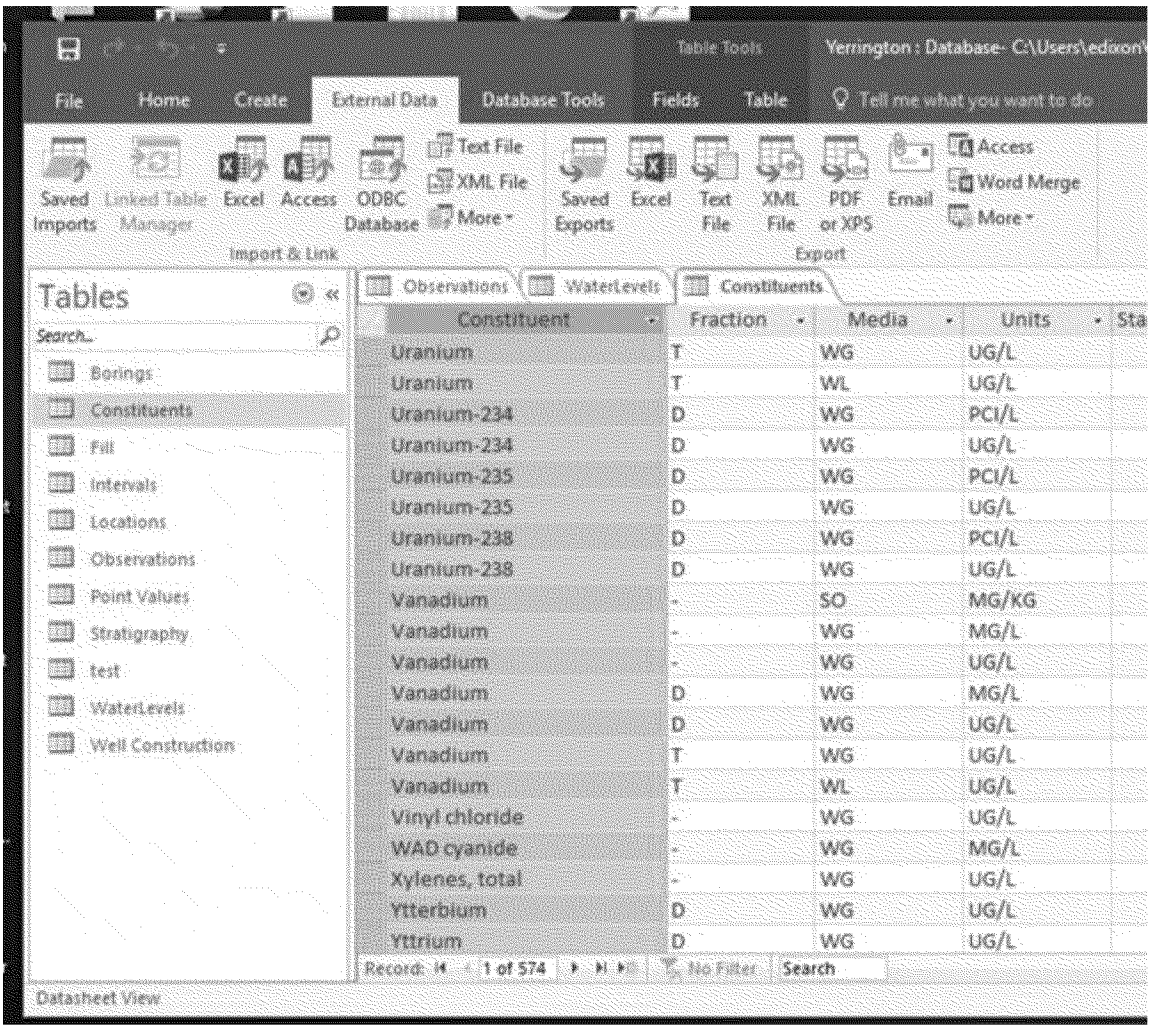


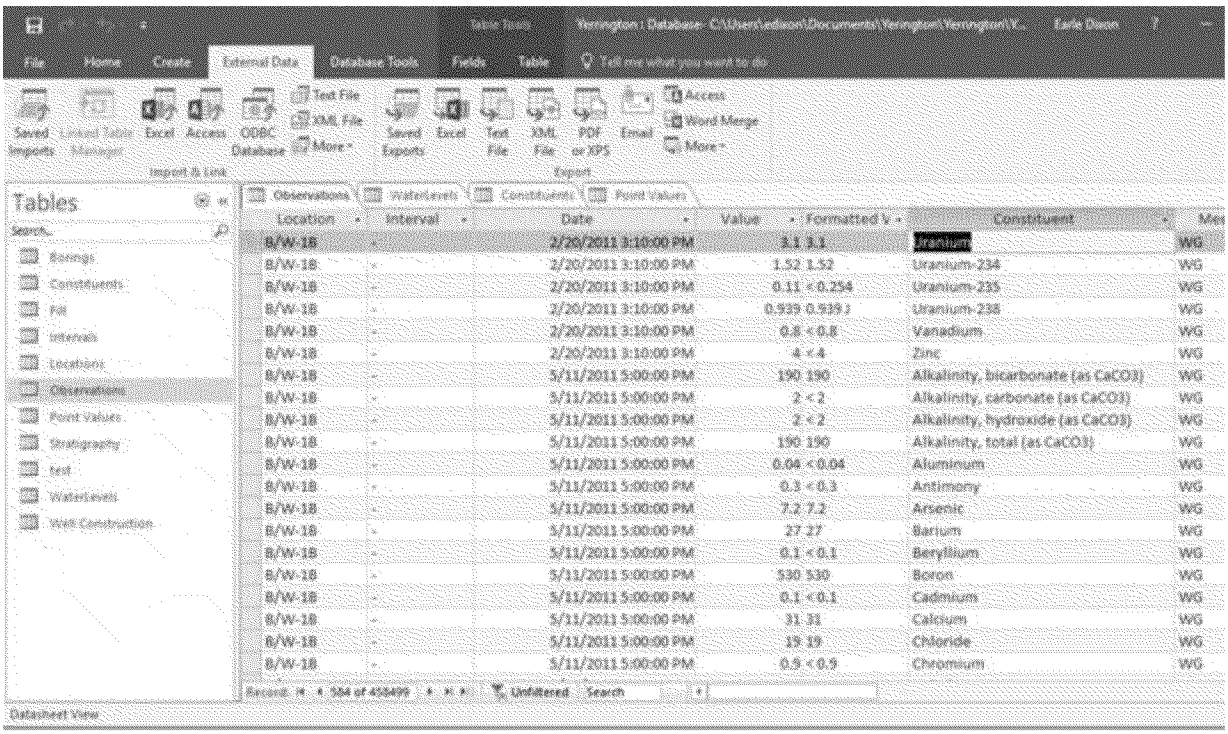

CONSTITUENTS DATA VIEW (not the sample result which is Point Values)




CONSTITUENTS TABLE VIEW-select Uranium for extraction-ALL U DATA will be extracted.




OBSERVATION TABLE open to show the various chemical parameters & values that can be selected. The earliest data has the fewest parameters. If you want to start with 2011 wells and data, then you scroll way down the rows & more parameters will be listed with values. Earliest general chemistry sample starts in 1999. Looks Uranium doesn't start until 2011?




Please let me know if you need some assistance on any of this. We should be able to get you a copy of the database by the end of this week.

Thanks, Earle Dixon

828-788-3160

**From:** Sarah Peters
**Sent:** Monday, April 03, 2017 6:22 PM
**To:** Earle Dixon <edixon@mcginnisandassociates.com>
**Subject:** RE: Well locations

Here you go.

**From:** Earle Dixon
**Sent:** Monday, April 3, 2017 1:13 PM
**To:** Sarah Peters <speters@mcginnisandassociates.com>
**Subject:** RE: Well locations

Sarah,

I am using the Corps of Engineers Corpscon conversion program which is free and I downloaded it, tested it with a few wells, & it works. http://corpscon.silkwerks.com/

I'm building the input file in Notepad by deleting tabs and spaces for commas, but I gotta take a break and do some errands. Have at it if you want do some editing.

Over 500 wells in the database. Many in same location.

No rush if ARC gets us the info. I'll have it converted by noon tomorrow and the North Study area wells tested for plotting in EnviroInsite.

Thanks, Earle

**From:** Sarah Peters
**Sent:** Monday, April 03, 2017 1:58 PM
**To:** Seter, David <Seter.David@epa.gov>; Oman, Jack <Jack.Oman@bp.com>
**Cc:** Earle Dixon <edixon@mcginnisandassociates.com>; Dietrick McGinnis <dmcginnis@mcginnisandassociates.com>; Ginny Marie <ghatch@ypt-nsn.gov>
**Subject:** Well locations

Hi Dave and Jack,

We are looking for OU-1 well locations converted to Latitude and Longitude. The need is specific to a software we are using for some assessment. Before we spin our wheels converting the locations, we wanted to reach out to see if someone had already done this work.

Thanks,

Sarah Peters EI CEM

Project Manager

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